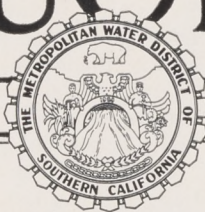


• COLORADO RIVER • AQUEDUCT NEWS

THE METROPOLITAN WATER DISTRICT



OF SOUTHERN CALIFORNIA

VOLUME XXIV

AUGUST, 1957

NUMBER 8

District Reduces Tax Rate For Eighth Successive Year

For the eighth successive year, the Metropolitan Water District of Southern California tax rate is being reduced. By action of the District Board of Directors the current rate of 19¢ per \$100 of assessed valuation has been cut to 18¢ for the year 1957-58.

The Metropolitan Water District tax reduction authorized August 20 is being made effective even though the District now is engaged in a \$200,000,000 construction program to bring the Colorado River Aqueduct up to its full planned delivery capacity, it was pointed out by General Manager and Chief Engineer Robert B. Diemer. This huge construction program is being rushed forward, he stated, to meet an ever increasing need for Colorado River water in the homes and industries of Southern California and to prevent any water shortage being caused by a continuing drouth in Southland areas.

Action of the District Board in authorizing the tax reduction was taken on the recommendation of its Finance Committee, headed by Director Hugh W. Stiles, and Controller Albert W. McKinlay.

Of the new 18¢ tax rate, 11¢ will be used to meet interest and principal payments on outstanding Colorado River Aqueduct bonds sold to finance, in its first development, construction of a giant water supply system from the Colorado River, Board Chairman Joseph Jensen stated. The remaining 7¢, he said, will be used to meet Federal Government and other obligations. All operating expenses are being paid from the District's water revenue, Mr. Jensen pointed out.

All charges on Colorado River Aqueduct bonds and other aqueduct costs are being paid by taxpayers and water users in the Metropolitan Water District, Chairman Jensen said. He pointed out that no Federal subsidies of any kind

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This imposing assembly of valves, piping and manifolds is part of a pressure control structure on the Middle Feeder being constructed between the Softening and Filtration Plant and the Garvey Reservoir. This structure is located on Badillo Street and Monte Vista in Covina. Note manifold section being lowered into position.

Expansion of Distribution System Proceeding Rapidly

The expansion work now being carried forward on the distribution system of the Metropolitan Water District is proceeding in good order, according to General Manager and Chief Engineer Robert B. Diemer.

Two contracts for the expansion of the Lower Feeder were completed and accepted by the District early in July. These two contracts, held by Steve P. Rados and Ukropina; Polich, Kral and Baker-Anderson Corporation, respectively, consist of 11.5 miles of 78-inch inside diameter steel pipe and represent a total investment of \$8,200,000. This pipe

line begins at Garfield Avenue in South Gate and extends easterly to near Valley Home Avenue north of Buena Park.

Also completed in recent months was the West Orange County Feeder Extension which connects the Lower Feeder with the West Orange County Feeder. This line consists of 4.3 miles of 54-inch steel pipe. The contract was in the amount of \$1,541,262 and was held by Ukropina, Polich, Kral and Baker-Anderson Corporation. Completion of this line and the Lower Feeder expansion enabled the District to increase by 50 per cent the amount of softened and filtered water available to Orange County cities and areas, Mr. Diemer pointed out.

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Chairman Jensen Addresses State Chamber Committee

When the exportation of water from a California watershed of origin is authorized, provision should be made to replenish its water supply in the event that a deficiency is caused by this exportation, it was stated recently by Joseph Jensen, Board Chairman of the Metropolitan Water District. The statement was made in the course of an address before the Statewide Water Resources Committee of the California State Chamber of Commerce meeting in the Palace Hotel in San Francisco on August 15.

Mr. Jensen outlined what he declared to be the four essential elements needed

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Tax Rate Reduced

(Continued from Page 1)

are being received to help pay for any part of the aqueduct water supply.

Cities and areas within the Metropolitan Water District are not required to meet assessments made against them from taxes but may pay these charges, if they choose, from water or other revenues, Chairman Jensen pointed out. He stated that Glendale, Lynwood, Pasadena, San Diego and Burbank next year will levy no taxes to meet their Metropolitan Water District obligations, but will pay all these charges from their water or other revenues. Other District areas that will pay a part of their assessments from water revenues are Compton, Culver City, National City, Inglewood, Pomona, and the South Bay Irrigation District in San Diego County, it was stated.

A factor which helped to make possible the reduction of the Metropolitan Water District tax rate, Chairman Jensen stated, was a marked increase in the assessed valuation of property within the District.

Covering an area of 3019 square miles and including 79 incorporated cities and much unincorporated territory, the Metropolitan Water District now has an assessed valuation of more than eleven billion two hundred million dollars, and a population in excess of 6,500,000, Chairman Jensen declared.

For the RECORD

(The following items are noted from the report of General Manager and Chief Engineer Robert B. Diemer, filed August, 1957 covering District operations for July, 1957.)

Colorado River—The water surface elevation of Lake Mead rose 24.96 feet to 1175.97 above sea level and usable storage increased 3,057,000 acre-feet to 20,657,000 acre-feet. The average rate of discharge from Hoover Dam for July was 12,990 cubic feet per second as compared with 14,100 in June 1957 and 13,900 in July 1956.

Pumping and Power—Hayfield pumping plant delivered 56,889 acre-feet of Colorado River water in July as compared with 56,281 acre-feet in June and with 36,184 acre-feet in July 1956. Pumping was continuous on a 5-pump basis except between July 3 and July 6 when it was on a 3-pump basis. The District's share of Parker energy was 30,205,674 kwhrs, all of which was used in the District system. Edison interchange energy delivered to the District was 27,244,800 kwhrs.

Weymouth Softening and Filtration Plant—Colorado River water was softened from 358 to 239 ppm of hardness at an average rate of 518 cfs during July. The daily rate of flow varied from 468 to 539 cfs. The total volume of water treated during July was 31,584 acre-feet as compared with 23,902 in July 1956. A new record high for 16 years of operations was established this month for maximum daily rate and average rate of flows and for volume of treated water in any one month.

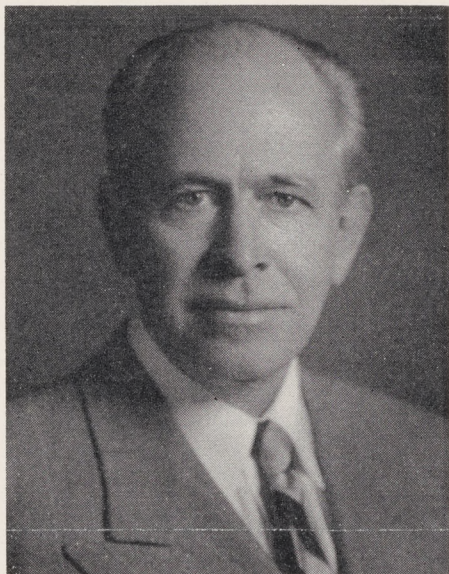
Construction—Progress on construction work on the distribution system was as follows: Schedules 79SC and 80SC (Lower Feeder) the work was completed on July 13 on 79SC and July 10 on 80SC; Schedules 56SC and 57SC (Middle Feeder) the contract is 71 percent complete; Schedules 58SC and 59SC (Middle Feeder) the contract is 67 percent complete; Schedule 59A (Middle Feeder) the contract is 71 percent complete; On the Culver City Lateral the contract on Schedule 62P is 1 percent complete and on Schedules 63P and 64P the contract is 6 percent complete.

Pumping Plant Expansion—On installation of Pumping Unit 6, the percentage of work completed on each plant is as follows: Intake, 71%; Gene, 63%; Iron Mountain, 48%; Eagle Mountain, 20%; and Hayfield, 14%.

Purchasing—Total expenditures covered by 556 purchase orders and 5 agreements were about \$215,595.



Members of the District Board Land Committee and District officials and employees recently made an inspection tour of property owned by the District in the Los Angeles area. Shown above, left to right, are Directors E. P. Hapgood, Paul L. Burkhard, A. H. Allen, John H. Ramboz, W. B. Hellis, Right-of-Way Agent Ethel Lockhart, Director Morris S. Jones, General Manager and Chief Engineer Robert B. Diemer, Directors Lynndon L. Aufdenkamp, Milo Dellmann and Lloyd C. Leedom. Mr. Ramboz and Mr. Dellmann are Chairman and Vice Chairman of the Committee respectively. Other members of the Committee, Directors Gordon B. Crary, V. H. Rossetti and George W. Stevens were not present.



James H. Howard retires as General Counsel

James H. Howard Retires As District General Counsel

James H. Howard this month retired as General Counsel of the Metropolitan Water District after serving the District in that capacity for more than 25 years. By action of the Board of Directors, Mr. Howard is being retained by the District as Special Counsel to represent the District's interests in the U. S. Supreme Court suit, *Arizona vs. California*.

Mr. Howard was born in Minneapolis, Minnesota and moved with his family to Pasadena around the turn of the century. He attended grammar school and high school in Pasadena and received his LL.B. Degree at the University of Southern California in 1910.

From 1912 to 1926 Mr. Howard served as Assistant City Attorney and as City Attorney of Pasadena, with time out for service with the U. S. Air Force during World War I. From 1926 to 1931 he engaged in private law practice in Los Angeles and served as Special Counsel for the Pasadena Water Department. He also was counsel for the Colorado River Aqueduct Association during this period and in this capacity assisted in drafting the Metropolitan Water District Act.

In 1931 Mr. Howard was specially retained by the District to handle proceedings establishing the validity of the District's 1931 bond issue. During the trial a vacancy was created in the office of General Counsel by the death of W. B. Mathews. Mr. Howard was appointed to fill the vacancy, and held the position until his retirement.

During his long and able service with the District, Mr. Howard was instrumental in obtaining many objectives

Chairman Jensen

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in a Constitutional Amendment dealing with State water rights. These elements, he stated, are:

1. **CONTRACTS FOR STATE PROJECT WATER.** Contracts for permanent service or for specified terms, for the delivery of water from State projects must be firm and enforceable according to their provisions, and must be protected against impairment by future legislative acts. This would preclude the withholding or recapture of water which the State has contracted to deliver.

2. **FINANCING OF STATE PROJECTS.** Before embarking upon a State project there should be assurance of ability to finance that project to completion, by authorization of a bond issue if required, and provision should be made for repayment by the users of all costs determined by the Legislature to be reimbursable. Suitable funds should be established and sources of revenue designated therefor. Expenditures for any State project should be made pursuant to appropriations authorized by the Legislature in the usual manner; i.e., by two-thirds vote of the members elected to each house.

3. **RESERVATIONS FOR WATERSHEDS OF ORIGIN.** When authorizing a State water project for exportation of water from the watershed of origin, adequate reservations should be made of water originating therein for the ultimate needs of such watershed. Provision should be made for definitive determination, for such purpose, of the boundaries of the watershed.

4. **REPLENISHMENT OF WATER SUPPLY OF WATERSHEDS OF ORIGIN.** In the event the quantity of water so reserved for the watershed of origin later proves insufficient to meet the reas-

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which were beneficial to the District. He participated in securing an amendment to the Reconstruction Finance Corporation Act which permitted the R.F.C. to buy District bonds and in negotiating the loan which started the actual work on the Aqueduct.

He has supervised all contracts and rights of way acquisition and participated in the preparation of the Boulder Canyon Project Adjustment Act, and revision of Boulder energy contracts under that act.

Mr. Howard has also made many appearances before Congressional committees on behalf of the District and is now representing the District as a defendant in the *Arizona vs. California* suit now pending in the U. S. Supreme Court.



Charles C. Cooper, Jr., named General Counsel

Charles C. Cooper, Jr., Named New General Counsel

Charles C. Cooper, Jr., Assistant General Counsel of the Metropolitan Water District since 1943, has been named to the position of General Counsel by the District Board of Directors. Mr. Cooper succeeds James H. Howard who retired as General Counsel at the end of August.

Mr. Cooper was born in Salem, Indiana and came to California at an early age. He attended primary and secondary schools in Claremont. He received his A.B. Degree at Pomona College in 1921 and his LL.B. Degree at Harvard Law School in 1924.

After three years of practice in Washington, D. C., where he was admitted to the District of Columbia Bar and the Bar of the Supreme Court of the United States, Mr. Cooper returned to California and was admitted to the California Bar in 1928. He served as Deputy City Attorney of Los Angeles assigned to the Department of Water and Power until 1930 when he became an attorney for the Metropolitan Water District.

On July 1, 1943, he was named to the post of Assistant General Counsel and held this position until the present time. In addition to general District problems, Mr. Cooper has given particular attention to annexation and taxation proceedings and to State legislation affecting the District.

Following an appearance before the Committee of the Whole of the State Assembly on August 28, 1955, relating to California water problems, he has participated actively in the work of various committees studying the necessity and form of proposed amendments

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Charles C. Cooper, Jr.

(Continued from Page 3)

to the California Constitution regarding water rights. In this connection he has served as a member of the following committees: Counties of Origin Subcommittee of Statewide Water Resources Committee of the California State Chamber of Commerce, Attorney General's Committee of Water Lawyers on County of Origin Problems, and the Governor's Committee of Water Lawyers.

Chairman Jensen

(Continued from Page 3)

onable needs of such watershed, then the Legislature should be required to make provision for supplying the needed additional water, to the extent that the deficiency is caused by the exportation by the State project of water originating in such watershed. The replenishment would be accomplished, either by direct delivery of water to the watershed of origin or by substitution to the contractors receiving exported water therefrom, by means of the next State project which feasibly could furnish such additional water.

Offered as suggestions by Mr. Jensen were ten provisions to be taken into account in establishing financial policies for State water projects. He stated these suggestions had been approved by the Board of Directors of the Metropolitan Water District.

The suggestions are:

1. The financing of the Feather River Project and other State water development projects should be the responsibility of the State of California. In addition to funds made available by the State Legislature from other sources, general obligation bonds in an amount adequate to complete construction of an authorized project should be voted by the people as a means of assuring financing of the entire project. Bonds sufficient to assure completion of the entire project should be authorized by the people, even though not ultimately required or sold, because of the availability of funds from other sources.

2. State bond issues submitted by the State Legislature to the people for their authorization should be limited in their use to a specific water development project, such as the Feather River Project. Such bonds should not be comingled with funds from other sources that may be placed in a water projects construction and development fund.

3. A State water project bond issue should be submitted to the people for their approval only after the State Legislature has determined that sufficient



Treasurer Hortense Helgesen receives a check on behalf of the District for \$15,000,000 in payment for Waterworks Bonds recently sold by the District. Looking on at the right is General Manager and Chief Engineer Robert B. Diemer. Presenting the check is Fred Nesbitt, Assistant Cashier of the Security First National Bank, acting for the Harris Trust and Savings Bank, Chicago, and the Bankers Trust Company, who purchased the bonds.

funds will be derived from water and/or power contracting agencies to provide for the repayment, with interest, of that reimbursable portion of the project to be financed by the bond issue, and further to provide for the repayment, with interest, of reimbursable features financed from money derived from the water projects construction and development fund.

4. The revenues from the Feather River Project and other State water development projects, after meeting operating and maintenance costs, should be applied to bond interest and bond redemption payments for the reimbursable costs of such projects. All revenues derived from any project should be used only to meet the requirements of the project from which the funds are derived.

5. A water projects construction and development fund should be established by authority of the State Legislature and should serve as a revolving fund for State monies received from sources deemed appropriate by the State Legislature. Money should be paid out of this fund only by specific appropriations of the State Legislature. Any money taken from the water projects construction and development fund, except for non-reimbursable costs, should be returned to this fund, with interest, by water and/or power contractors with those projects benefiting from money derived from the fund.

6. The State Legislature should determine the costs of a State water project that are to be reimbursable and

those that are to be non-reimbursable and those costs which are reimbursable should be repaid with interest.

7. For each State water project there should be established and maintained a separate Operating Fund, and water and/or power contractors for each State water project should be required to pay into the Operating Fund of that project the money required under their contracts.

8. Contracts between the State and water and/or power contractors should provide that a contracting agency may, at its discretion, meet its payments either from revenues derived from the sale of water and/or power or from ad valorem tax levies. State water projects financed from money derived from the water projects construction and development fund should be limited to works required to deliver water and/or power to contracting agencies or to provide the benefits determined by the State Legislature to be of state-wide benefit, such as flood control and certain recreational projects.

9. The Federal Government should be requested to provide from the Federal Treasury, funds for flood control, navigation, fish and wildlife and recreational projects of national interest.

10. Where areas express a desire for irrigation funds under reclamation law, the Federal Government may be requested to supply funds properly allocable for irrigation in connection with a State project, provided no handicaps are placed on State ownership and operation.

NEWS FROM FIELD AND OFFICE



Don Wierman, who was married on August 31, receives some gifts from his District friends. Here he examines a Presto electric grill while a number of District employees look on. Left to right are Matt Ballinger, Frank Milliff, Ray Floch, Don, Richard Lyddon, Ruth Manney, Al Marcus, Bill Braddock, Jim Smith, Don Murphy, Tom Roberts, Mike Rangel and Curt Bowen.

Don Wierman, Junior Clerk, was married to Rosemary Manlove in the San Dimas Community Church on August 31 at 7:30 P.M. Don's friends in the District presented him with a Presto electric grill and an alarm clock.

* * *

District employees at Gene Village and at Hayfield Pumping Plant report that they have been taking full advantage of the swimming pools which have recently been completed at both places. They were really put to full use during the recent hot spell.

* * *

Jim Hale, Junior Draftsman, took a bride on August 10. He was married to Dorothy Kay Williamson at her home in Pacoima and the couple honeymooned at Lake Arrowhead. They are making their home in Glendale.

Distribution System

(Continued from Page 1)

On the Middle Feeder expansion there are three contracts for the construction of a pipe line from the Softening and Filtration Plant near La Verne to the Garvey Reservoir. The first of these contracts is held by Ukropina, Polich, Kral and Baker-Anderson in the amount of \$4,505,174. Work under this contract, which extends from La Verne to Baldwin Park, is now approximately 80 per cent complete.

The second contract on the Middle Feeder, for the line from Baldwin Park to South San Gabriel, is in the amount of \$4,192,248 and is held by Vido Artukovich and Son, Inc. This contract is now approximately 75 per cent complete. The final contract on the Middle Feeder is held by R. A. Wattson Co. in the amount of \$1,732,704 and is approximately 80 per cent complete. This work extends from South San Gabriel to Garvey Reservoir.

Most of the 20.8 miles of pipe on the Middle Feeder expansion is 72-inch inside diameter steel pipe with the exception of 14,805 feet of 72-inch concrete pipe on the Wattson contract.

All of the expansion work now under way on the Middle Feeder is scheduled for completion by November 30, 1957, with most phases being finished prior to that time, Mr. Diemer said.

Work is also under way on the Culver City Lateral which is being performed under two contracts. The first is held by Vido Artukovich & Son, Inc., and Nick Bebek Construction Co. in the

amount of \$2,082,494 and is now about 5 per cent complete. The second contract is in the amount of \$2,767,301 and is held by ABC Construction Co. and W. C. Baker Co. This contract is nearly 15 per cent complete. The Culver City Lateral consists of 11.6 miles of 48-inch concrete pipe and is scheduled for completion by July 31, 1958.

Mr. Diemer said that the District has

advertised for bids for the last link of the Lower Feeder between Santa Ana Canyon and the east boundary of Los Angeles County. This line will consist of 14.8 miles of 96-inch inside diameter pipe.

All work on expanding the District's distribution system and on the main aqueduct is scheduled for completion in 1960, Mr. Diemer declared.



Work on the Culver City Lateral is shown in progress above. Here is pictured excavation work to provide access for tunneling under a large sewer. This pipe shown at top is 48-inch inside diameter concrete pipe which will be installed in the tunnel when completed.

NEWS FROM FIELD AND OFFICE



Ruth K. Thiers, seated, Secretary to the General Counsel, who retired this month is shown with most of the members of the legal staff on her last day on the job. Standing, left to right, are James H. Howard, William A. Parsons, Paulina Jacobs, John M. Davenport, Marian Crews, H. Kenneth Hutchinson, Nedra Datwyler, Donald M. Keith, Charles C. Cooper, Jr., and Alan Patten. Ruth's many friends presented her with a folding wardrobe and an overnight case as well as other gifts.

The Eagle Mountain Community Center dedication party was held on July 30 with more than 100 persons attending and everyone had a wonderful time. An excellent buffet dinner was prepared by the Eagle Mountain ladies, who served as hostesses for the party. Much credit for the success of the event goes to Isabel Thompson, Cornelia Roys, Pauline Reed, Louise Pierce, Jean Green, Jean Twiggs, Viola Rosenberger and Marian Weeks. Dinner was followed by the showing of a movie, square dancing and swimming.

* * *

Michael Rangel, Senior Draftsman, and his wife, Patricia, are the proud parents of a baby boy born August 17 at St. Vincent's Hospital. The young man weighed 6 pounds, 15 ounces and has been named Michael Jerome. He is Rangel's first child.

* * *

Howard Caudle, Maintenance Mechanic, and wife, Mona, have a new baby girl. Debra Kay was born at the Riverside Community Hospital on August 1. She weighed 6 pounds, 4 ounces.

Harris V. "Harry" Crawshaw and his wife, Jane, are back from a motor tour of the Pacific Northwest where they spent a most enjoyable two weeks. They traveled up the coast through California, Oregon and Washington and crossed over to Vancouver. On the return trip they stopped at Crater Lake on the way to Klamath Falls and then came down the east side of the Sacramento Valley. From there they drove up the Feather River Canyon to Reno and then down to Mono and Yosemite and home, covering better than 3400 miles. Harry took somewhat of a bus man's holiday in that he stopped to look over Shasta, Grand Coulee and The Dallas Dams.

* * *

Three District employees at Gene Village picked up all the chips in this year's Colorado River Crystal Ball Handicap to guess the runoff into Lake Mead. The final figure was 12,866,600 acre feet. Melvin Deal won first prize with a forecast of 12,700,000. Arthur E. "Bud" Graham was second with a guess of 13,133,130 and Harry Lewis took show money with an estimate of 12,138,333.

Ruth K. Thiers retired from the District at the end of August after completing more than 25 years of service, all in the legal department. Prior to her employment by the District on January 1, 1932, she had been secretary to Mr. James H. Howard. When Mr. Howard became General Counsel he promptly arranged for Miss Thiers to join his staff. In 1939 she was given the title of Secretary to the General Counsel and served in that capacity until her retirement.

A large number of District ladies entertained Ruth at a dinner party in a private dining room in the Mona Lisa Restaurant on August 29. After a steak dinner was served, Ruth told of her future plans which include a motor trip with relatives.

Those attending the dinner included: Erna Aldinger, Hattie Anderson, Vera Andrews, Ruby Barnhart, Freida Bonelli, Drue Brandenburg, Toni Brentwood, Darleen Campbell, Belle Cawley, Gladys Chamberlin, Esther Cooney, Marian Crews, Viola Crutcher, Pennie Danderlake, Nedra Datwyler, Freda Dickerson, Agnes Dunning, Fannie Mae Fink, Catherine Gallagher, Frances Gardner, Merle Ginoza, Dorothy Goddard, Hortense Helgesen, Jean Hill, Paulina Jacobs, Betty Killion, Ethel Lockhart, Edith Mallery, Ruth Manney, Nobu Masuda, Estelle McGee, Beatrice Miyake, Jean Morgan, Estelle Quick, Janet Sakima, Mary Skiba, Margaret Swank and Grace Wyatt.



Recent visitors to the Los Angeles office were Rose Marie Wooley and her 8-month old daughter, Marina Jo. Rose Marie is a former switchboard operator for the District and her husband, Jack, is a Zeolite Operator at the Softening Plant.